

Graphing Lists on the TI-82

(Atomic Radii Across Periods)

- 1. Hit "STAT," EDIT; In L3, enter list of atomic numbers from 3-20.
- 2. In L4, enter atomic radii (from sample periodic table) on the same corresponding line as its atomic number.
- 3. Hit "2nd," "STAT PLOT," 1 [ENTER] Select "ON", [ENTER]

Select Type: [ENTER]

Select Xlist: L3 [ENTER] Select Ylist: L4 [ENTER]

Select Mark= □ [ENTER]

4. "WINDOW" Xmin=3

Xmax=20

Xscl=1

Ymin=.5

Ymax = 2.05

Yscl=.1

- 5. [GRAPH]; [TRACE]
- 6. Create a second list in L5 entering the energy required to remove the easiest electron. Set your "WINDOW" parameters to appropriate min/max/scl ranges and "GRAPH" as above. (Shut other Plots off to enable TRACE function)